

# Search Histories

10/719,042

CAS/STN FILE 'INPADOC, WPIX, JAPIO, HCAPLUS, AEROSPACE, ENERGY, COMPENDEX, INSPEC, PASCAL' ENTERED AT 15:31:01 ON 24 FEB 2005

E NANOSOLAR/CS, PA  
L1 317 S NANOSOL#####  
L2 78 S NANOSOL?/PA,CS  
L3 1 S (L1 OR L2) AND INFILT#####  
L4 29 S (L1 OR L2) AND SOLVENT  
L5 2702 S BOLLMAN?/AU,IN  
L6 323 S PETRITSCH?/AU,IN  
L7 8188 S ROBINSON M?/AU,IN  
L8 8188 S ROBINSON, M?/AU,IN  
L9 0 S (L1 OR L2) AND (L7 OR L8)  
L10 7 S (L1 OR L2) AND (L5 OR L6)  
L11 1 S L4 AND L10  
L12 6 S (L10 OR L11) NOT L3  
L13 SEL PLU=ON L12 1- IC RN : 66 TERMS  
L14 4511398 S L13  
L15 6 S L12 AND L14

FILE 'STNGUIDE' ENTERED AT 15:38:47 ON 24 FEB 2005

FILE 'HCAPLUS' ENTERED AT 15:40:26 ON 24 FEB 2005

E SOLVENTS/CT  
E E3+ALL/CT  
L16 539 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND INFILTR#####  
L17 21719 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND DIFFUS#####  
L18 4012 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND SPREAD#####  
L19 5875 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND MIGRAT#####  
L20 1512 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND INFUS#####  
L21 3 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND SUFFUS#####  
L22 28427 S (SOLVENTS/CT OR "POLAR SOLVENTS"/CT OR  
LEACHING/CT OR "SOLVENT EFFECT"/CT OR SOLVENT) AND SATURA#####  
L23 41391 S SOLVENT(3A) (GAS##### OR VAPOR#### OR VAPOUR#### OR EVAP##### OR FUM#####)  
L24 5087 S (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22) AND L23  
L25 1290 S SOLVENT(3A)IMMERS#####  
L26 111 S L25 AND L23  
L27 1290 S (L25 OR L26)

FILE 'REGISTRY' ENTERED AT 15:44:36 ON 24 FEB 2005

L28 26812 S FULLEREN? OR BUCKYBALL OR BUCKY OR BUCKMIN#####

FILE 'HCAPLUS' ENTERED AT 15:44:48 ON 24 FEB 2005

L29 0 S L28 AND L27  
L30 1620 S L28 AND SOLVENT  
L31 101350 S SWNT OR NT OR DWNT OR NANOTUB##### OR CNT OR SWCNT OR DWCNT OR NANOWIR##### OR NANOCAG#####  
OR CAGE## OR NANOSTRUC##### OR NANOTECH##### OR NANOSCI#####  
L32 31453 S BUCKY OR BUCKYBALL OR BUCKMIN##### OR C60 OR C 60 OR ?FULLEREN?  
L33 5855 S (L31 OR L32) AND SOLVENT  
L34 189 S (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) AND L28  
L35 189 S (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) AND L30  
L36 854 S (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) AND (L31 OR L32)  
L37 429 S (L34 OR L35 OR L36) AND ?CAGE?  
L38 7 S (L34 OR L35 OR L36) AND ?VOID?  
L39 31 S (L34 OR L35 OR L36) AND ?PORE?  
L40 6 S (L34 OR L35 OR L36) AND ?POROS?  
L41 38 S (L34 OR L35 OR L36) AND ?POROUS?  
L42 0 S (L34 OR L35 OR L36) AND ?SPONG?  
L43 34 S (L34 OR L35 OR L36) AND ?ADSOR?  
L44 131 S (L34 OR L35 OR L36) AND ?ABSOR?  
L45 130 S (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44) AND (?VAPOR? OR ?VAPOUR? OR  
EVAP##### OR BOIL##### OR GAS#####)  
L46 2 S (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44) AND INFILT#####  
L47 20 S L45 AND SOLVENT/TI  
L48 20 S L47 NOT L46  
L49 36 S (STEAM##### OR SUPERHEAT##### OR SUPERCRIT##### OR SFE OR EXTRACT##### OR GC OR GCMS  
OR SOLVENT OR GAS##### OR VAPOR##### OR VAPOUR#####)/TI AND L45  
L50 16 S L49 NOT (L48 OR L46)  
L51 3 S L28 AND L50

FILE 'REGISTRY' ENTERED AT 15:56:45 ON 24 FEB 2005  
L52 1 S CARBON/CN

FILE 'HCAPLUS' ENTERED AT 15:56:59 ON 24 FEB 2005  
L53 0 S L52 AND L50  
L54 16 S (L50 OR L51)  
L55 2 S PERMEA##### AND (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44)  
L56 0 S L55 NOT (L54 OR L48 OR L46)  
L57 238642 S (PHOTOVOLT? OR VOLTAIC OR FUEL CELL OR FUELCELL OR BATTER### OR ENERGY(2A) (SOURCE) OR  
CHARG## (2A)STOR#### OR ENERGY(2A)STOR####)  
L58 11 S (L57 OR SOLAR) AND (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44)  
L59 9 S L58 NOT (L55 OR L54 OR L48 OR L46)  
L60 1 S L28 AND L59  
L61 2 S L52 AND L59  
L62 9 S (L59 OR L60 OR L61)  
L63 3667 S ((L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27) OR (L29  
OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44 OR L45  
OR L46 OR L47 OR L48 OR L49 OR L50 OR L51) OR (L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59 OR L60 OR L61 OR  
L62)) AND (MESO OR MESOS##### OR MESOCRYST? OR MESOP#####)  
L64 65 S L63 AND (PERMEA##### OR INFILT#####)  
L65 834 S L63 AND (SOLVENT)  
L66 511 S L63 AND (STEAM OR VAPOR##### OR VAPOUR##### OR GAS#####)  
L67 20 S L64 AND L65  
L68 29 S L64 AND L66  
L69 165 S L65 AND L66  
L70 8 S L68 AND L69  
L71 0 S (L28 OR L52) AND L70  
L72 4 S (L67 OR L68 OR L69) AND PENETR#####  
L73 3 S L72 NOT L70  
L74 52200 S (SOLVENT OR DISSOL#####) (2A) (POLYMER#### OR COPOLYMER#### OR HOMOPOLYMER#### OR  
THERMOPLASTIC### OR RESIN#### OR ELASTOMER#### OR OLIGOMER#### OR MONOMER#### OR DIMER OR TETRAMER OR TRIMER)  
L75 6306 S ((L16 OR L17 OR L18 OR L19 OR L20 OR L21  
OR L22 OR L23 OR L24 OR L25 OR L26 OR L27) OR (L29 OR L30 OR  
L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR  
L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR L46 OR L47 OR L48 OR  
L49 OR L50 OR L51) OR (L53 OR L54 OR L55 OR L56 OR L57 OR L58  
OR L59 OR L60 OR L61 OR L62)) AND L74  
L76 616 S L75 AND (PENETRA##### OR PERMEA#####  
OR INFILT##### OR HONEYCOMB##### OR SPONG##### OR CAGE#####)  
L77 540 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####)  
L78 12 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) (?STRUCTUR?)  
L79 0 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) ?CAGE?  
L80 0 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) HONEYCOMB?  
L81 7 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) ?PORE?  
L82 12 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) ?POROS?  
L83 19 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) ?POROUS?  
L84 1 S L75 AND (PENETRA##### OR PERMEA##### OR INFILT#####) (4A) ?VOID?  
L85 44 S (L78 OR L79 OR L80 OR L81 OR L82 OR L83 OR  
L84)  
L86 SEL PLU=ON L85 1- RN : 169 TERMS

FILE 'REGISTRY' ENTERED AT 16:13:14 ON 24 FEB 2005  
L87 169 S L86  
L88 144 S L87 AND C/ELS AND H/ELS

FILE 'HCAPLUS' ENTERED AT 16:13:33 ON 24 FEB 2005  
L89 38 S L85 AND L88  
L90 44 S L85 OR L89

CAS/STN FILE 'WPIX, HCAPLUS' ENTERED AT 09:45:26 ON 25 FEB 2005

L1 12 S (EP1087446 OR EP1028475 OR US6291763 OR  
DE2741954 OR US20020192441 OR US5571612 OR US6471761)/PN

L2 1 S L1 AND (EVAPORAT#### (2A) INDUC##### OR  
EISA OR TEMPL##### OR INFILT##### OR PERMEA##### OR SELF ASSEMBL####)  
D TI

FILE 'HCAPLUS' ENTERED AT 09:52:47 ON 25 FEB 2005

L3 1 S L1 AND (EVAPORAT#### (2A) INDUC##### OR  
EISA OR TEMPL##### OR INFILT##### OR PERMEA##### OR SELF ASSEMBL####)

L4 5 S (EP1087446 OR EP1028475 OR US6291763 OR  
DE2741954 OR US20020192441 OR US5571612 OR US6471761)/PN

L5 5 S (L3 OR L4)

L6 SEL PLU=ON L5 1- RN : 44 TERMS

FILE 'REGISTRY' ENTERED AT 09:53:22 ON 25 FEB 2005

L7 44 S L6

L8 27 S L7 AND C/ELS

FILE 'HCAPLUS' ENTERED AT 09:53:56 ON 25 FEB 2005

L9 4 S L8 AND L5

L10 5 S L9 OR L5

FILE 'WPIX, HCAPLUS' ENTERED AT 09:55:49 ON 25 FEB 2005

L11 SEL PLU=ON L1 1- PN : 28 TERMS

FILE 'DPCI' ENTERED AT 09:56:14 ON 25 FEB 2005

L12 43 S L11/PN.D

L13 SEL PLU=ON L12 1- PRN : 91 TERMS

FILE 'WPIX, JAPIO, HCAPLUS' ENTERED AT 09:56:41 ON 25 FEB 2005

L14 185 S L13

L15 34 S L14 AND (SOLVENT OR EISA OR EVAP#####)

L16 24 S L14 AND (VAPOR##### OR VAPOUR##### OR STEAM OR GAS OR GASES OR GASSES OR GASEOUS####)

L17 50 S (L15 OR L16)

L18 25 S L17 AND 2003/PY

L19 33 S L17 AND 2004/PY

L20 4 S L17 AND 2005/PY

L21 19 S L17 AND 2002/PY

L22 12 S L17 AND 2001/PY

L23 2 S L17 AND 2000/PY

L24 33 S L18 OR (L21 OR L22 OR L23)

L25 17 S L17 NOT L24

L26 0 S L25 NOT P/DT

L27 14 S L25 AND 2000-2003/PY

L28 50 S (L24 OR L25 OR L26 OR L27)

FILE 'STNGUIDE' ENTERED AT 10:03:56 ON 25 FEB 2005

FILE 'REGISTRY' ENTERED AT 10:06:54 ON 25 FEB 2005

L29 323172 S PPV OR POLYPHENYLENE OR PHENYLENE

L30 270057 S MEHPPV OR MEH OR ETHYL(2A)HEXYLOXY OR POLYTHIOPHENE OR THIOPHENE OR OCTYLTHIOPHENE

L31 152 S HEXYLTHIOPHENE

L32 2 S REGIOREGULAR

L33 0 S REGIORANDOM

L34 0 S REGIO RANDOM

L35 1 S MDMO

L36 8 S THIENYLEN#### AND VINYL####

L37 0 S THIENYLENVINYLENE

L38 591 S THIENYL#### AND VINYL####

L39 29 S ISOTHIANAP?

L40 1 S POLYISOTHIANAPHTHENE

L41 0 S POLYBENZOTHIOPHEN?

L42 110911 S THIOPHEN? AND BENZ####

L43 4420 S L42 AND C

L44 1 S POLYBENZ? AND L42

L45 0 S POLYPHEN? AND L42

L46 0 S POLYPHEN? AND THIOPHEN#####

L47 14 S POLY PHEN#### AND THIOPHEN#####

L48 47463 S TETRAHYDRO? AND THIOPHEN#####

L49 2676 S TETRAHYDROTHIOPHEN#####

L50 7840 S TETRAHYDRO(2A)THIOPHEN#####

L51 5496 S PERYLENE

L52 0 S DISCOTIC

L53 1 S POLYFLUOREN#####

FILE 'REGISTRY' ENTERED AT 10:06:54 ON 25 FEB 2005

L54 3907 S POLY####(4A)FLUOREN#####  
 L55 1434 S (MONOMER OR COPOLYMER OR HOMOPOLYMER) AND FLUOREN#####  
 L56 1 S ACETONE/CN  
 L57 1 S CHLOROFORM/CN  
 L58 1 S BENZENE/CN  
 L59 1 S CYCLOHEXANE/CN  
 L60 1 S DICHLOROMETHANE/CN  
 L61 1 S ETHANOL/CN  
 L62 1 S DIETHYL ETHER/CN  
 L63 1 S ETHYL ACETATE/CN  
 L64 1 S HEXANE/CN  
 L65 1 S METHANOL/CN  
 L66 1 S TOLUENE/CN  
 L67 1 S XYLENE/CN  
 L68 8143 S L42 AND (DIBENZ? OR TRIBENZ? OR TETRABENZ?  
 OR DIPHENYL? OR BIPHENYL? OR TRIPHENYL? OR TETRAPHENYL?)  
 L69 95123 S (L29 OR L30) AND (POLYMER OR COPOLYMER OR HOMOPOLYMER OR MONOMER)  
 L70 425 S (L29 OR L30) AND (OLIGOMER OR DIMER OR TRIMER OR TETRAMER)

FILE 'HCAPLUS' ENTERED AT 10:22:12 ON 25 FEB 2005

L71 66 S L13  
 L72 6 S L71 AND (L56 OR L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR L66 OR L67)  
 L73 0 S L71 AND L68  
 L74 20 S L71 AND L69  
 L75 6 S L71 AND (L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40)  
 L76 3 S L71 AND (L43 OR L44 OR L45 OR L46 OR L47)  
 L77 7 S L71 AND (L49 OR L50 OR L51 OR L52 OR L53 OR L54 OR L55)  
 L78 0 S L71 AND REGIO  
 L79 0 S L71 AND REGIORANDOM?  
 L80 0 S L71 AND REGIOREGULAR  
 L81 1 S L71 AND PPV  
 L82 0 S L71 AND MDMO  
 L83 0 S L71 AND MEH  
 L84 0 S L71 AND MEHPPV  
 L85 0 S L71 AND P3HT

FILE 'REGISTRY' ENTERED AT 10:26:14 ON 25 FEB 2005

L86 0 S P3HT

FILE 'HCAPLUS' ENTERED AT 10:26:37 ON 25 FEB 2005

L87 8 S L71 AND SOLVENT  
 L88 0 S L71 AND EISA  
 L89 3 S L71 AND SELF ASSEMB####  
 L90 0 S L71 AND (ITSELF OR THEMSEL#####) (3A)ASSEMB####  
 L91 17 S L71 AND (PIGMENT OR DYE OR ?FULLEREN?)

FILE 'REGISTRY' ENTERED AT 10:28:20 ON 25 FEB 2005

L92 26806 S FULLEREN?

FILE 'HCAPLUS' ENTERED AT 10:28:34 ON 25 FEB 2005

L93 5 S L71 AND L92  
 L94 4 S L71 AND (NT OR SWNT OR DWNT OR SINGLE  
 WALL#### OR DOUBLE WALL##### OR ?TUBE? OR ?TUBUL? OR ?TUBIN?)  
 L95 35 S (L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR  
 L78 OR L79 OR L80 OR L81) OR (L87 OR L88 OR L89 OR L90 OR L91) OR (L93 OR L94)  
 L96 35 S (L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR  
 L78 OR L79 OR L80 OR L81) OR (L87 OR L88 OR L89 OR L90 OR L91) OR (L93 OR L94)

FILE 'WPIX, JAPIO' ENTERED AT 10:34:31 ON 25 FEB 2005

L97 119 S L13  
 L98 22 S L97 AND (SOLVENT OR EISA OR EVAP#####)  
 L99 13 S L97 AND (VAPOR##### OR VAPOUR##### OR  
 STEAM OR GAS OR GASES OR GASSES OR GASEOUS####)  
 L100 17 S L97 AND (EVAPORAT####(2A) INDUC##### OR  
 EISA OR TEMPL##### OR INFILT##### OR PERMEA##### OR SELF ASSEMBL####)  
 L101 4 S L98 AND L99  
 L102 5 S L98 AND L100  
 L103 3 S L99 AND L100  
 L104 7 S (L102 OR L103)  
 L105 2 S (L98 OR L99 OR L100) AND INTERCALAT?  
 L106 0 S L105 NOT L104  
 L107 3 S L101 NOT L104  
 L108 5 S (L97 OR L98 OR L99 OR L100) AND PROXIMA?  
 L109 1 S (L97 OR L98 OR L99 OR L100) AND NEAR

FILE 'WPIX, JAPIO' ENTERED AT 10:34:31 ON 25 FEB 2005

L110 0 S (L97 OR L98 OR L99 OR L100) AND NEARBY  
 L111 1 S (L97 OR L98 OR L99 OR L100) AND NEXT  
 L112 3 S (L97 OR L98 OR L99 OR L100) AND ADJACEN#####  
 L113 1 S (L97 OR L98 OR L99 OR L100) AND INFILT#####  
 L114 6 S (L97 OR L98 OR L99 OR L100) AND (PORE? OR NANOPOR? OR MESOPOR?)  
 L115 9 S (L97 OR L98 OR L99 OR L100) AND (POROS? OR POROUS? OR VOID#####)  
 L116 10 S L104 OR L107  
 L117 27 S (L101 OR L102 OR L103 OR L104 OR L105 OR  
 L106 OR L107 OR L108 OR L109 OR L110 OR L111 OR L112 OR L113 OR L114 OR L115)  
 L118 17 S L117 NOT L116  
 L119 2 S L97 AND DISCOT#####  
 L120 1 S L119 NOT L118  
 L121 1 S L120 NOT L116

FILE 'HCAPLUS' ENTERED AT 10:51:28 ON 25 FEB 2005

L122 3 S L71 AND DISCOT#####  
 L123 5 S (US5990415 OR US5674325 OR US5986206 OR US6075203)/PN  
 L124 SEL PLU=ON L123 1- RN : 20 TERMS

FILE 'REGISTRY' ENTERED AT 11:27:53 ON 25 FEB 2005

L125 20 S L124  
 L126 6 S L125 AND C/ELS

FILE 'HCAPLUS' ENTERED AT 11:28:07 ON 25 FEB 2005

L127 3 S L123 AND L126  
 L128 SEL PLU=ON L123 1- PN : 21 TERMS

FILE 'DPCI' ENTERED AT 11:29:16 ON 25 FEB 2005

L129 27 S L128/PN.D  
 L130 SEL PLU=ON L129 1- PRN : 60 TERMS

FILE 'HCAPLUS' ENTERED AT 11:29:32 ON 25 FEB 2005

L131 31 S L130  
 L132 1 S L131 AND SOLVENT  
 L133 SEL PLU=ON L132 1- RN : 50 TERMS

FILE 'REGISTRY' ENTERED AT 11:29:57 ON 25 FEB 2005

L134 50 S L133  
 L135 18 S L134 AND C/ELS

FILE 'HCAPLUS' ENTERED AT 11:30:19 ON 25 FEB 2005

L136 1638581 S L133  
 L137 1 S L132 AND L136  
 L138 1 S L132 AND L135  
 L139 1 S US5698140/PN  
 L140 SEL PLU=ON L139 1- PN : 3 TERMS

FILE 'DPCI' ENTERED AT 11:40:09 ON 25 FEB 2005

L141 10 S L140/PN.D  
 L142 SEL PLU=ON L141 1- PRN : 11 TERMS

FILE 'HCAPLUS' ENTERED AT 11:40:22 ON 25 FEB 2005

L143 11 S L142  
 L144 SEL PLU=ON L143 1- RN : 75 TERMS

FILE 'REGISTRY' ENTERED AT 11:40:39 ON 25 FEB 2005

L145 75 S L144  
 L146 44 S L145 AND C/ELS

FILE 'HCAPLUS' ENTERED AT 11:41:02 ON 25 FEB 2005

L147 11 S L146 AND L143